



IHE Standards based, Open Source, Health Information Exchange

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Misys Open Source Solutions "MOSS" – Healthcare



- MOSS Solution Description
- MOSS Use Case
- MOSS Architecture
- MOSS Demo

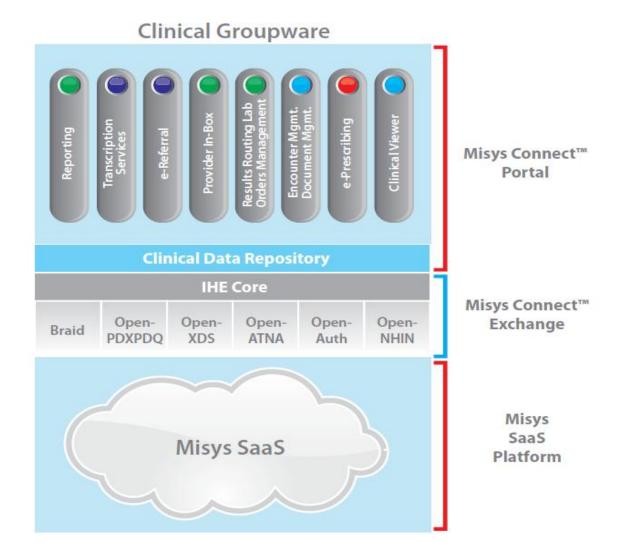


A Service Oriented Architecture (SOA) compliant, open source, standards-based core infrastructure that provides a framework for the creation of a

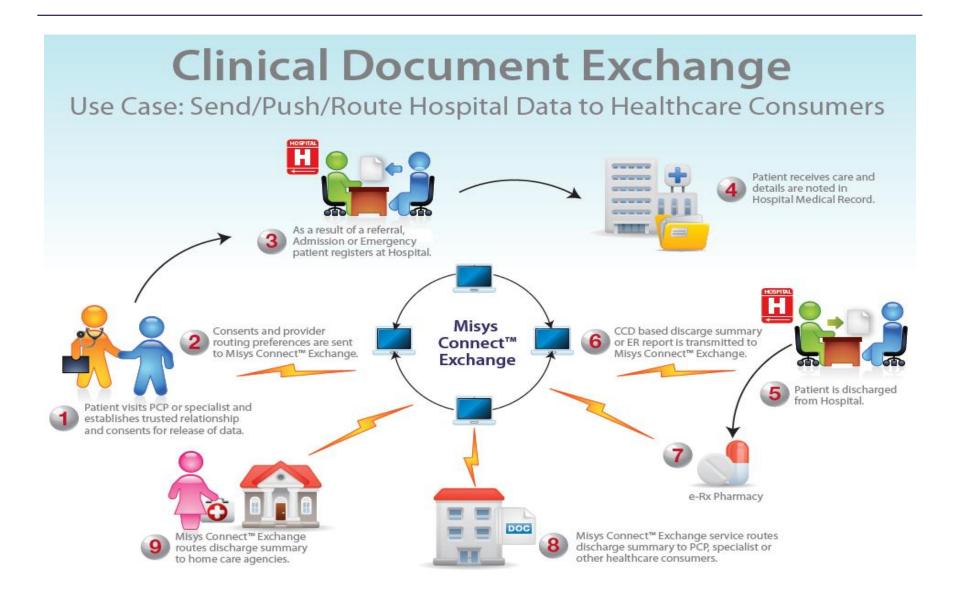
Heath Information Exchange.

This framework would allow mashable, value-added application portlets to be joined together to create new extensible applications.



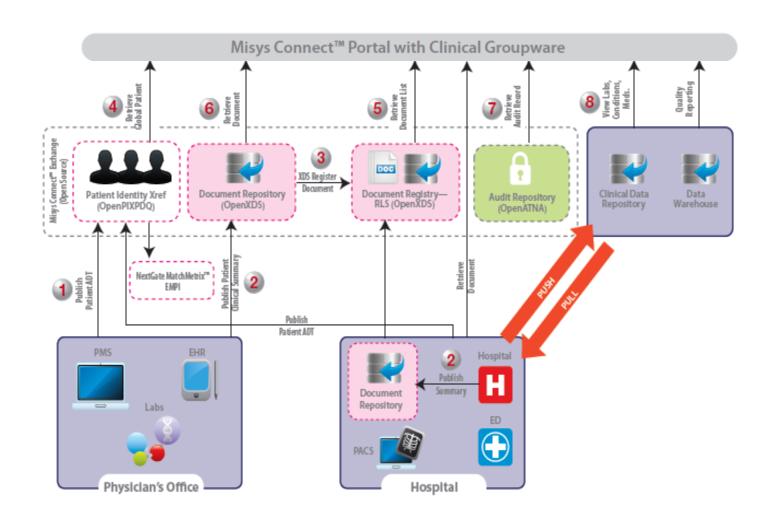






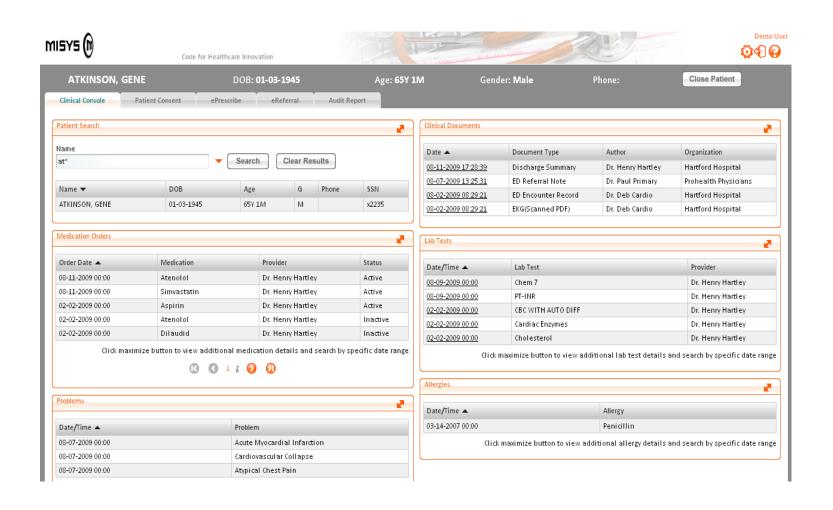






Demonstration











Backup

Waves of Healthcare IT Adoption



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Practice Management

Market

Wave

it

Enhance the effectiveness of the practice

Electronic
Health Record '
Market

Wave

Enhance the efficiency and quality of the visit

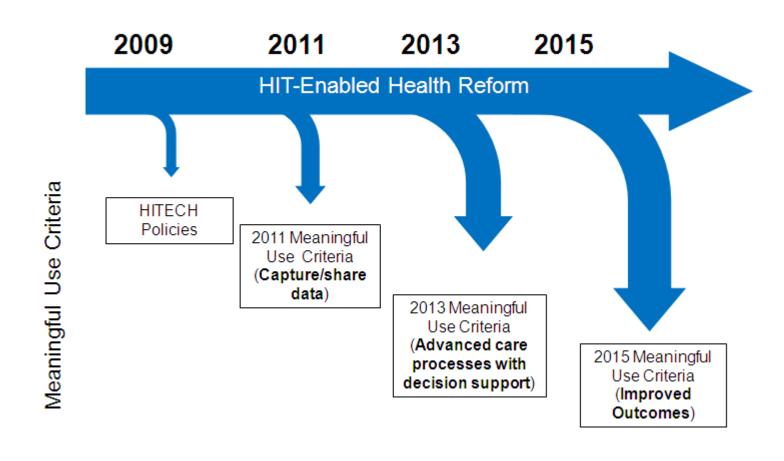
Connectivity and Information Market

Wave

3

Enhance the health of patients, community, and the care delivery organizations bottom line





What is IHE?

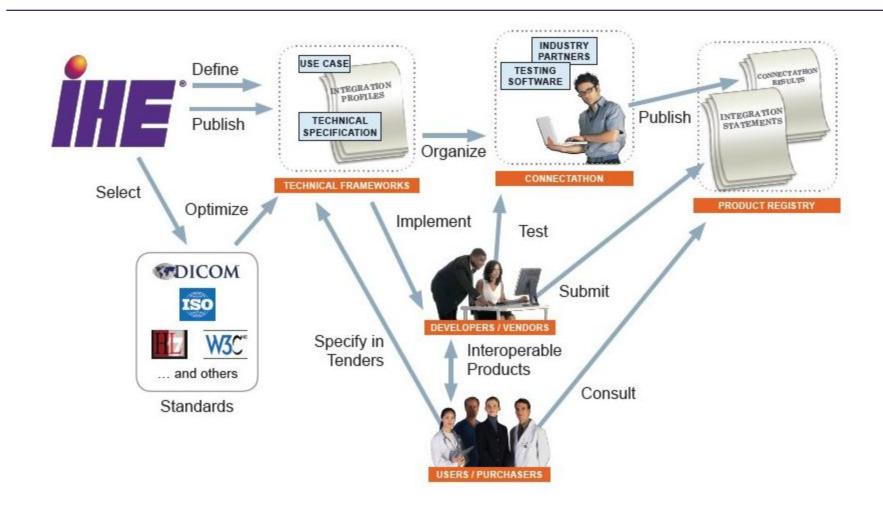


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- Integrating the Healthcare Enterprise (<u>www.ihe.net</u>)
- Designed to advance the state of data integration in healthcare through standards based interoperability
- Doesn't create new standards, promotes adoption of standards (HITSP, HL7, CCD, WS, SAML, SSL, DICOM etc)
- Provides a common standards based framework for seamless exchange of information
 - Resolves critical interoperability issues related to information access for care providers and patients, clinical workflow, security, administration and information infrastructure
- More than 250 vendors worldwide have implemented and tested products with IHE capabilities

How it operates?





Source: www.ihe.net

What profiles apply (Technical profiles)? MOSS Open Source Platform Includes ALL Core Components



- Cross-reference patients from various systems
 - > How do Lknow if my patient is registered with any other systems in the community?
 - If so, what is the unique ID or my patient in the respective systems
- Query for a patient
 - Which patients match the given set of demographics?
 - > Return me list of all matched parents from the con
- Sharing patient clinical information
 - > How do I find the clinical information available for my patient from other providers?
 - How do I share information about my patient to other providers in the community?
- **Patient Consent**

 - How does the clinical information gets published considering patient consent?
 How does the system enforce access controls based on to confidentiality codes?
- Secure environment for sharing patient clinical information
 - > Can I trust the system that is requesting information for my patient?
 - > How A and it is Trait if a not Norde y Authentication of A-Ts) she ms?
 - > How do I track who accessed my patient information and when?

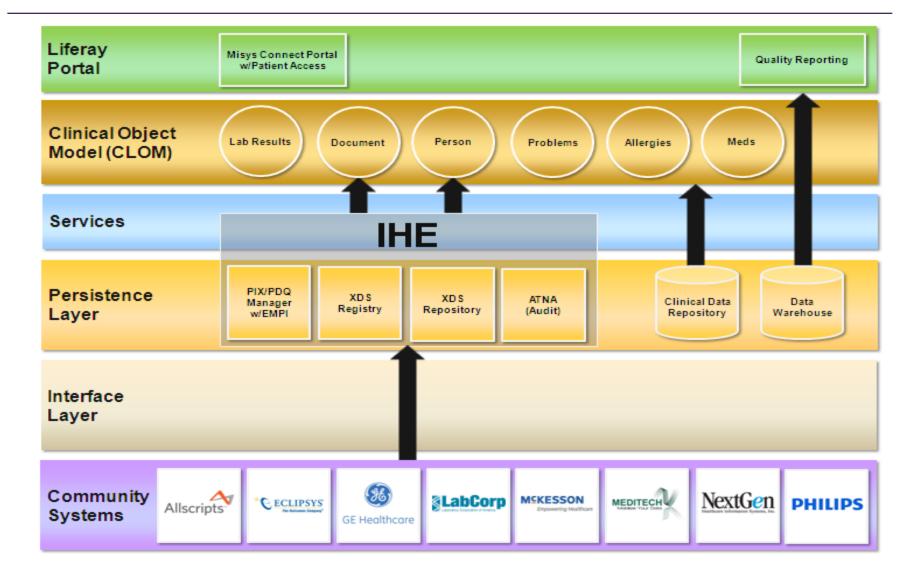
Drivers for Health Information Exchange



- Improve Quality of Healthcare
- Improve Patient Safety
 - Get critical information to the right provider at the right time
- Increased attention for HIE at national level (NHIN)
- Reduce Health Costs
 - Rand Study and others
- Public Health Surveillance requirements

MOSS Community Solution - Overview





MOSS - An Open Architecture



- MOSS HIE is based on IHE specifications
- All of core components used in MOSS HIE are Open Source (OpenPIXPDQ, OpenXDS with XCA, OpenATNA, OpenAuth)
- All the specifications are based on open standards that are freely available and implemented by a wide range of industry vendors
- The MOSS HIE does not require a proprietary network and can operate on the public Internet (though it is not limited to this)
- MOSS HIE is platform agnostic, can be implemented on any operating system – Windows, Linux etc.

Misys Connect[™] Portal – Overview



- Misys ConnectTM Portal aggregates patient oriented demographic and health information in order to provide health information exchange services. Key features include
 - Patient Consent Management
 - Patient Search using OpenPIXPDQ
 - Patient Longitudinal Health Record display using OpenXDS
 - e-Prescribe integration with SSO and Patient Context
 - Electronic Referral Management with SSO and Patient Context
 - Security and Auditing
 - System Monitoring
 - > Discrete Data display including lab results, medications, allergies, problems and conditions

■ Scalable, multi-tiered security model

- Uses Role Based Access and assigns authorizations for controlling flow of information with-in and across systems
- Supports organizational policies and procedures
- > Transmission Security
- Auditing

MOSS Services



